

**Lower Passaic River Restoration Project
Subcontractor Monthly Progress
HydroQual, Inc.**

Reporting Period: 1/30/06 through 02/3/06

Date Submitted: 02/06/06

Submitted By: HydroQual (Paul Anid)

Activities, Progress and Deliverables this Period

Project Documentation

- Submission of progress report.

Project Communications

- Preparation of PRP meeting.

Modeling Plan

- Resumption of finalization of modeling plan

Hydrodynamic Modeling

Model Calibration:

- Preparing hydrodynamic reports:
 1. Model-Data calibration procedures:
 1. Statistical analyses for model skill assessment: for data collected in Passaic, Newark Bay and Kills by Rutgers (2000-2002 and 2004)
 2. Mode-Data correlation analyses
 3. Harmonic analyses of tidal elevations and current velocities
 2. Estimation of freshwater budget in Passaic River Basin
 1. Review of RAINMAN flows used for model calibrations
 2. Compared the RAINMAN flow with USGS gauge data at Third River Passaic monitoring station
 3. Identification of CSO/SW in PVSC sewer district: to account for small coastal tributaries

Sediment Transport Modeling.

Technical or Schedule Problems Encountered this Period and Solutions Implemented

- None

Activities Anticipated Next Period

Project Documentation

- Preparation of progress report.

Project Communications

- Monthly team conference call.

Modeling Plan

- Resumption of the drafting and finalization of the modeling plan, and submission of timeline for final draft early next week.

Hydrodynamic Modeling

- Continuation of report drafting, and expectation of a first draft by end of week.

Sediment Transport Modeling

- Arrangements for a combined HQI-MPI conference call or meeting to discuss solid balance/sedimentation rates calculations.

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